

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: HALO

Report Number: P328484

Luminaire Tested: **L815MED30NF935MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-11)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815MED30NF935MB
Description: Medium, 3000lm, 25D, 3500K, black finish
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2986.0 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.39
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

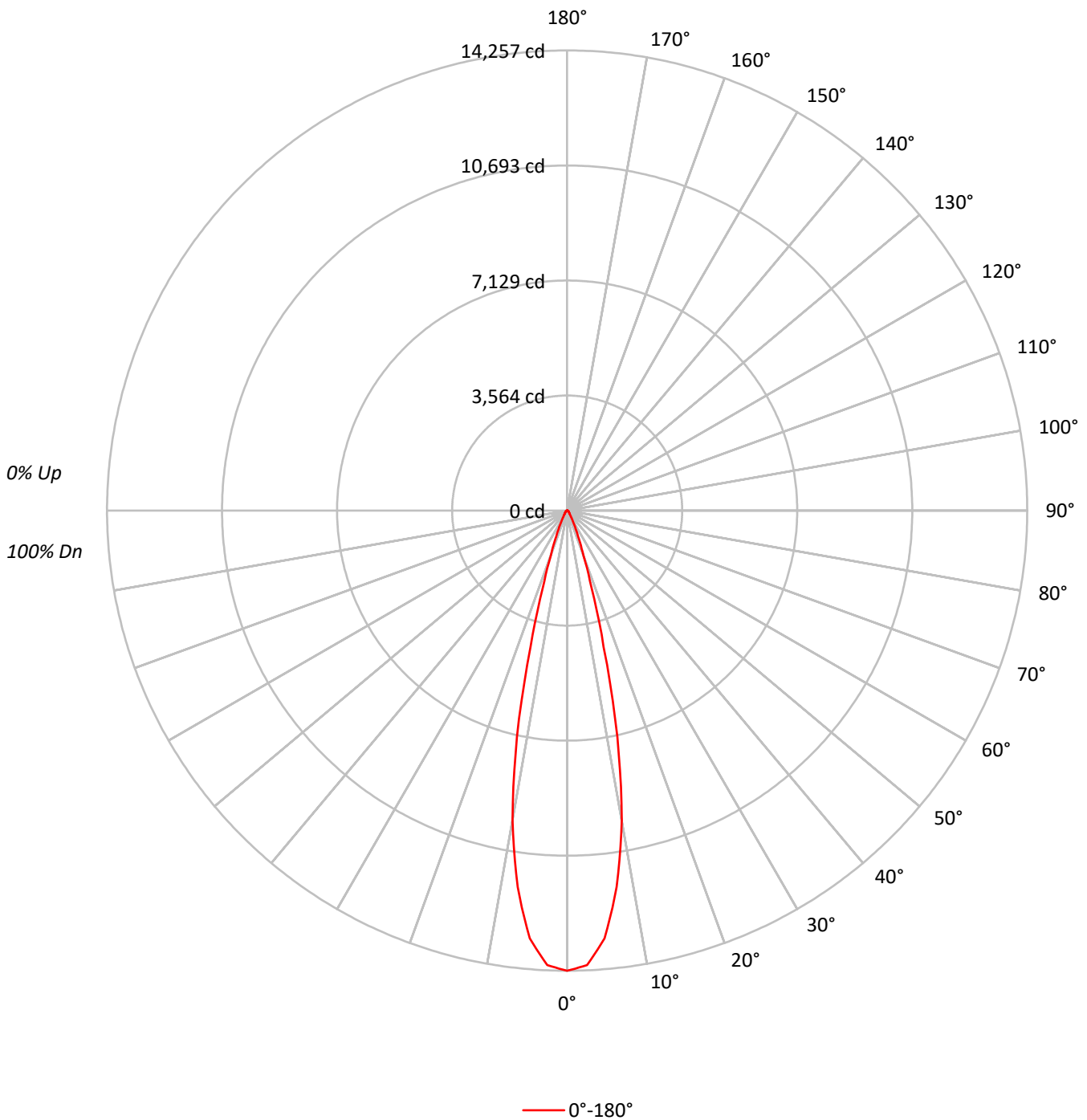
Input Watts (W): 37.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	113	111	109	113	111	109	107	107	105	104		103	102	101		100	99	98	96
2	111	107	104	102	109	106	103	100	102	100	98		100	98	96		97	96	94	93
3	107	103	99	96	106	101	98	95	99	96	94		96	94	92		94	92	91	90
4	104	98	94	91	102	97	94	91	95	92	90		94	91	89		92	90	88	87
5	101	95	91	88	99	94	90	87	92	89	86		91	88	86		89	87	85	84
6	98	92	87	84	97	91	87	84	90	86	84		88	85	83		87	85	83	81
7	95	89	85	82	94	88	84	81	87	84	81		86	83	81		85	82	80	79
8	93	86	82	79	92	86	82	79	85	81	79		84	81	78		83	80	78	77
9	90	84	80	77	90	83	79	77	83	79	77		82	79	76		81	78	76	75
10	88	82	78	75	87	81	77	75	81	77	75		80	77	74		79	76	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1758551
5°	1647754
10°	1220872
15°	557754
20°	194989
25°	84026
30°	40364
35°	23882
40°	17197
45°	14914
50°	11437
55°	12344
60°	10262
65°	8522
70°	5662
75°	524
80°	3978
85°	1557



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1153.0	38.6
10°-20°	1267.2	42.4
20°-30°	314.1	10.5
30°-40°	105.3	3.5
40°-50°	65.8	2.2
50°-60°	45.4	1.5
60°-70°	31.0	1.0
70°-80°	3.1	0.1
80°-90°	1.1	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2734.4	91.6
0°-40°	2839.7	95.1
0°-60°	2950.9	98.8
0°-90°	2986.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2986.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14257	
5°	13308	###
15°	4368	1267
25°	617	314
35°	159	105
45°	86	66
55°	57	45
65°	29	31
75°	1	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14257.1
2.5°	14096.3
5°	13308.0
7.5°	11760.6
10°	9747.6
12.5°	7180.3
15°	4367.8
17.5°	2492.0
20°	1485.5
22.5°	939.0
25°	617.4
27.5°	408.2
30°	283.4
32.5°	209.2
35°	158.6
37.5°	121.5
40°	106.8
42.5°	88.8
45°	85.5
47.5°	84.3
50°	59.6
52.5°	63.0
55°	57.4
57.5°	32.6
60°	41.6
62.5°	39.4
65°	29.2
67.5°	28.1
70°	15.7
72.5°	0.0
75°	1.1
77.5°	0.0
80°	5.6
82.5°	0.0
85°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)